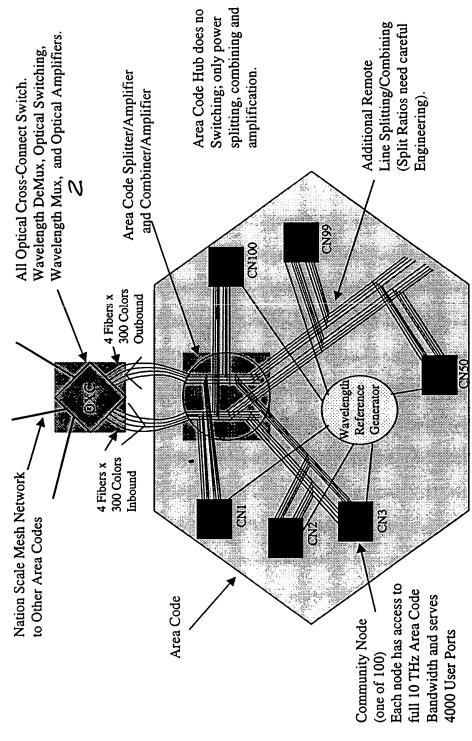
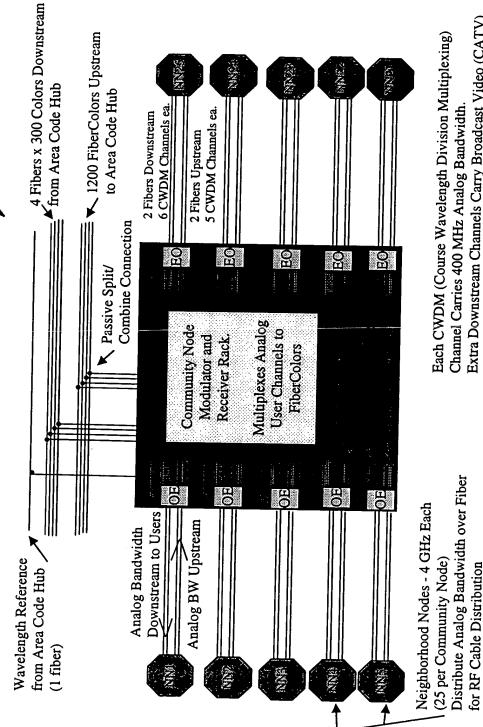


F1G. 1

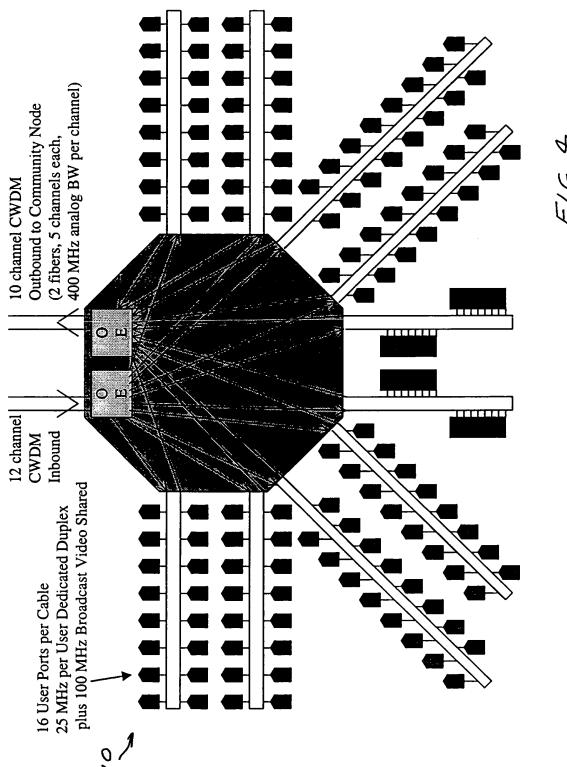




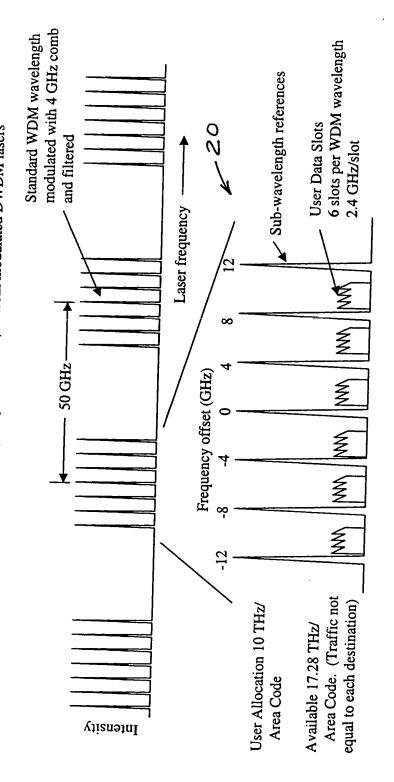
F16.2

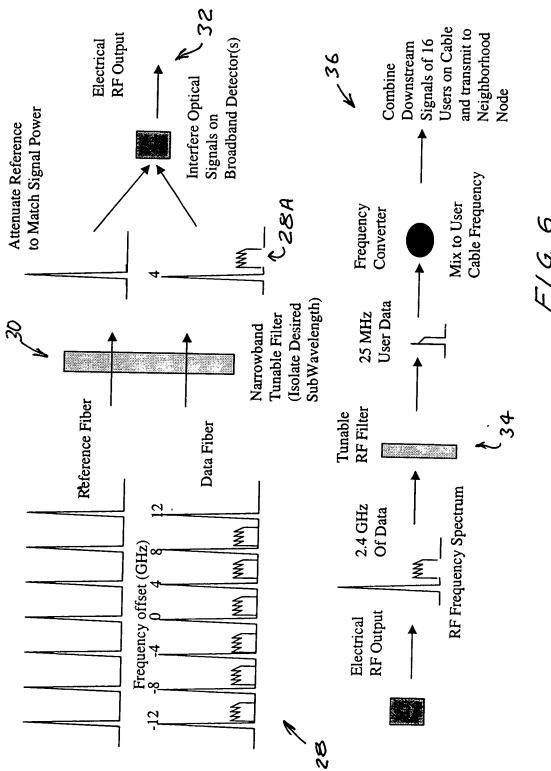


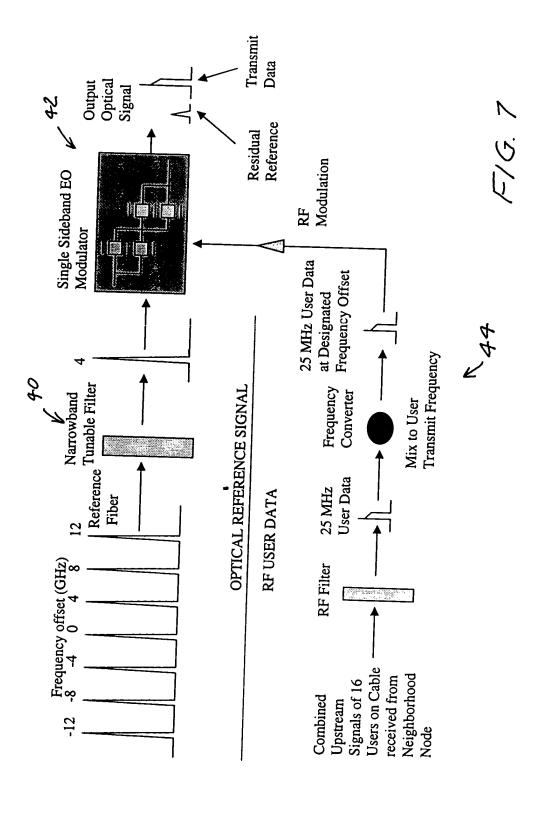
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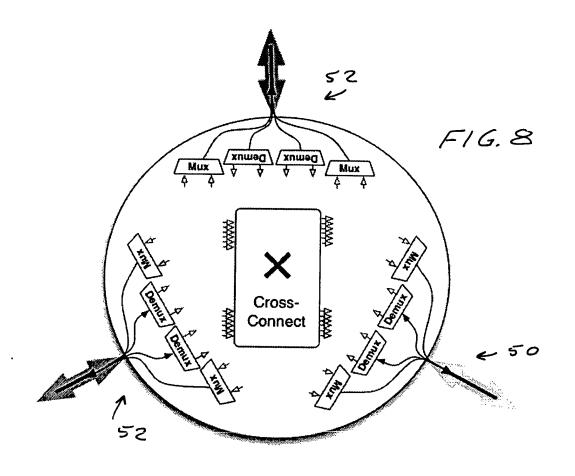


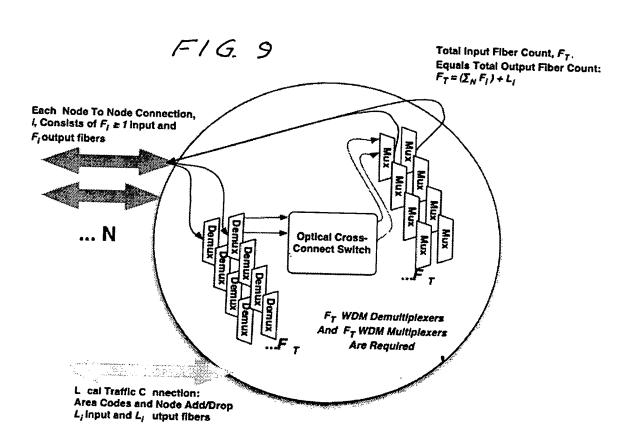
- -Accurate Laser Wavelength Comb Generated at Area Code Node
- -Or Regenerated from Central Network Reference Source
- -Standard WDM 50 GHz spacings used, to allow straightforward wavelength demux and mux in network -More accurate wavelength control (frequency to 500 MHz) used within area code.
 - -Source wavelengths either from multi-frequency fiber lasers, or from modulated DWDM lasers

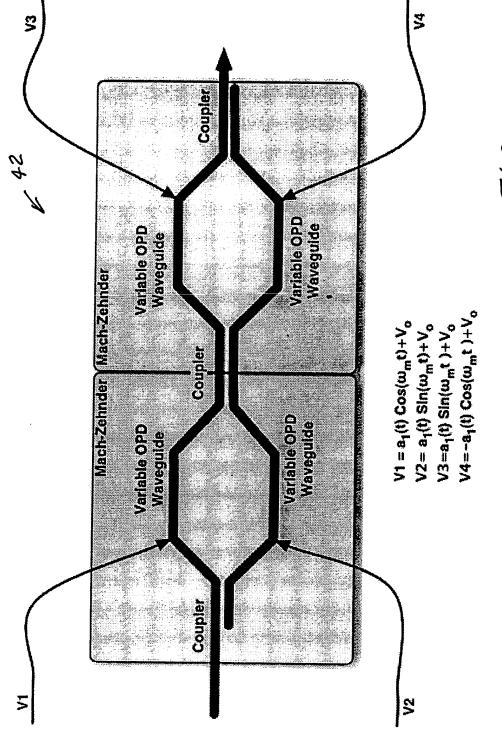




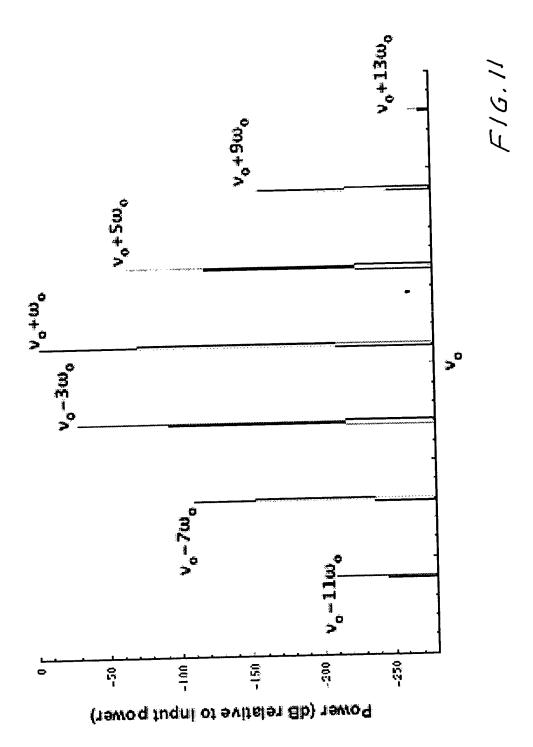




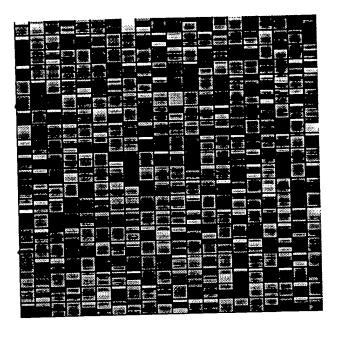




F16.10

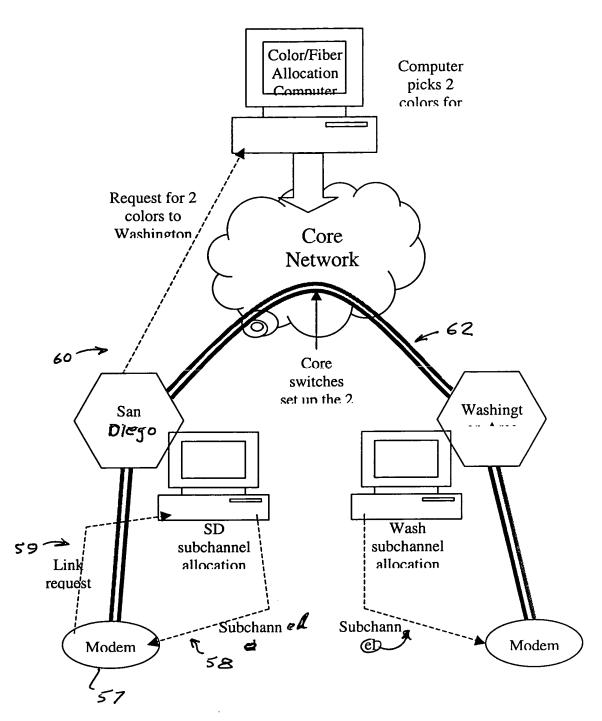


F16.12



F16.15

F/G 13



F1G. 16